ABSTRACT OF THE DISCLOSURE

A method for providing self-provisioning of VoIP telephony to a subscriber of a VoIP telephony service is disclosed. An un-provisioned residential gateway that is associated with the subscriber is instructed to collect a subscriber numeric identity that uniquely identifies the subscriber and a Personal Identification Number (PIN) information that are associated with the subscriber. An example of a subscriber numeric identity that uniquely identifies the subscriber is the subscriber's E.164 address. The E.164 address and Personal Identification Number (PIN) information is verified. A source IP address that is associated with one or more Media Gateway Control Protocol (MGCP) messages that are sent by the residential gateway is used as a residential gateway IP address for the residential gateway. The residential gateway IP address is then used to provision the residential gateway that is associated with the subscriber. According to certain embodiments, the above steps are carried out by a call agent from a self-provisioning system of a provider of the VoIP telephony services. One or more VoIP connections are established between the residential gateway and an announcement server. The announcement server sends VoIP messages through the VoIP connections to the subscriber via the residential gateway. A protocol server offers the residential gateway, via a Dynamic Host Configuration Protocol (DHCP) server, a limited access IP address, a location of one or more Domain Name System (DNS) servers, and a Media Gateway Protocol (MGCP) endpoint name of the call agent from the self-provisioning system.

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